

I.1
1-11-02

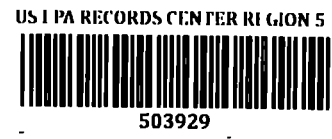
U. S. Environmental Protection Agency



Region 5

Office of Superfund, Emergency Response Branch Brownfields and Early Action Section

9311 Groh Road
Grosse Ile, Michigan
48138-1697



Mail Code SE-GI. Telephone: 734-692-7660 Fax: 734-692-7677

Please Deliver This Copy To: Ray Scott

Fax Number 313-471-5139 Telephone Number _____

From: **Ross Powers**, Tel: **734-692-7681** Date: 1/11/02 Page 1 of 3

Ray Scott
Detroit Department of Environmental Affairs

I had Tetra Tech look into the analytical work done on the sand backfill for the MichCon H site.

Attached are their findings. Based upon these findings, I have authorized MichCon to use the sand at the site. With good weather, we might be done yet this winter!

If I can be of further assistance, call me at 734-692-7681.

11 Jan 02

Mr. Ross Powers
On-Scene Coordinator
Emergency Response Branch
U.S. Environmental Protection Agency Region 5
9311 Groh Road
Grosse Ile, MI 48138

**Subject: Laboratory Analytical Results for
 Backfill Material
 MichCon Station H, 201 South Green Avenue
 Wayne County, Michigan
 Technical Direction Document No. S05-0105-017
 Tetra Tech Contract No. 68-W-00-129**

Dear Mr. Powers:

As you know the Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) has been providing oversight support to the United States Environmental Protection Agency (U.S. EPA) during removal of contaminated soils at the above-referenced site. Currently, the excavation is being backfilled, and backfill materials from several sources have already been used at the site. MichCon recently proposed a new source of backfill and requested the City of Detroit's approval of this source. To assist the City of Detroit in evaluating the new source of backfill, U.S. EPA tasked START to visit the new source and collect a sample of the backfill material for laboratory analysis.

On 02 Jan 02, START and MichCon's consultant, IT Corporation (IT), visited the new source, Sylvania Materials in Rockwood, Michigan. IT collected three samples from a stockpile of the backfill material, and START collected a split sample of one of the three IT samples.

IT submitted thier samples to Clayton Group Services in Novi, Michigan. The split sample collected by START was submitted to AAC Trinity, Inc. in Farmington Hills, Michigan, for analysis. At the request of Mr. Raymond Scott, Environmental Affairs, City of Detroit, this sample was analyzed for total Resource Conservation and Recovery Act metals (including copper and zinc) using U.S. EPA Method's 6010A and 7470 and for weak acid dissociable cyanide using U.S. EPA Method SM4500CNI.

Based on the laboratory results, the four samples exhibited concentrations of all metals (except mercury) that were below current Michigan Department of Environmental Quality (MDEQ) Statewide Default Background Levels (SDBL). The split sample collected by START exhibited a mercury concentration of 200 micrograms per kilogram ($\mu\text{g/kg}$), which exceeds the SDBL of 130 $\mu\text{g/kg}$. Mercury was not detected in the three samples collected by IT.

START contacted AAC Trinity, Inc., to ask whether possible cross-contamination in the split sample might explain the detection of mercury. According to Mr. Charles O'Bryan, Director of Analytical Services for the laboratory, "all QC checks were within recommended ranges, and additional QC

Mr. Ross Powers

11 Jan 02

Page 2

procedures were implemented for this sample, including a method blank, a matrix spike, a sample matrix spike, and a laboratory control spike.

To evaluate whether the mercury in the split sample might be naturally occurring, START contacted Mr. Edward Novak, an environmental quality analyst with the MDEQ Environmental Response Division in Detroit. According to Mr. Novak, there is no default background level of mercury for southeastern Michigan. In addition, he interpreted 200 µg/kg of mercury to be equivalent to a background level and stated that the SDBL of 130 µg/kg of mercury was very conservative. He also indicated that if backfill exhibiting 200 µg/kg of mercury were used at the site, MDEQ would not classify the site as a Facility.

In summary, of the four samples analyzed, only one exhibited mercury concentrations above the method detection limit. Based on the technical opinion stated by Mr. Novak of MDEQ, this mercury concentration appears to be consistent with concentrations found throughout the southeastern Michigan.

If you have any questions about the sample analytical results, please contact me at (248) 223-9100 or Thomas Kouris at (312) 946-6431.

Sincerely,

David L. Sawicki, C.P.G.
Project Manager

cc: Lorraine Kosik, U.S. EPA START Project Officer
Thomas Kouris, Tetra Tech START Program Manager

Confirmation Report - Memory Send

Page : 001
Date & Time: Jan-11-02 04:10pm
Line 1 : +734 692 7677
Machine ID : US EPA RS/1

Job number : 598
Date : Jan-11 04:09pm
To : 913134715139
Number of pages : 003
Start time : Jan-11 04:09pm
End time : Jan-11 04:10pm
Pages sent : 003
Status : OK

Job number : 598

*** SEND SUCCESSFUL ***

FACIMILETRANSMITTALCOVERSHEETFACIMILETRANSMITTALSHEET

U. S. Environmental Protection Agency



Region 5

**Office of Superfund, Emergency Response Branch
Brownfields and Early Action Section**

9311 Groh Road
Grosse Ile, Michigan
48138-1697

Mail Code SE-GI.

Telephone: 734-692-7660

Fax: 734-692-7677

Please Deliver This Copy To:

Ray Scott

Fax Number 313-471-5139 Telephone Number _____

From: Ross Powers, Tel: 734-692-7681 Date: 1/11/02 Page 1 of 3

Ray Scott
Detroit Department of Environmental Affairs

I had Tetra Tech look into the analytical work done on the sand backfill for the MichCon H site.

Attached are their findings. Based upon these findings, I have authorized MichCon to use the sand at the site. With good weather, we might be done yet this winter!

If I can be of further assistance, call me at 734-692-7681.

Ray

FACIMILETRANSMITTALCOVERSHEETFACIMILETRANSMITTALSHEET
